

METEOROLOGY FOR APRIL, 1876.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 96. 40m. 20.2a E.
(Registered for the Royal Society of Tasmania.)

Day of Month	Max. corrected for instrumental error, and to mean sea level	Thermometers		Relative Humidity.	Clouds.		Wind.		Rain in Inches	Spon. Evap.	Ozone. Chron. Scale						
		(Reading.)			Thermometers		Wind.										
		(Self-Registering)			Thermometers		Wind.										
		Percent			Thermometers		Wind.										
7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Highest in Shade, 4 30 p.m.	Lowest on Grass, 7 30 a.m.	Character.	Amount.	Character.	Amount.	Direction from.	Force in lbs. per square foot.	Direction from.	Force in lbs. per square foot.	7 30 a.m.	4 30 p.m.		
12 041 29 022	11 0	51.0	67.0	09.0	05.0	40.0	80	71	KN	7.5 K	10.0 SW	52	S	52	21	7.0	
2 29 043 29 014	9.0	48.0	00.0	05.0	07.5	42.0	80	62	KN	3.0 K	8.5 SW	0	W	52	01	5.5	
3 29 038 29 030	10.0	50.5	57.5	03.5	00.0	43.5	68	81	KN	10.0 K	7.0 NW	52	W	52	04	4.5	
4 29 043 29 030	9.0	49.0	57.5	30.5	63.0	44.0	74	61	KN	7.0 K	10.0 NW	0	N	52	01	5.5	
5 29 049 29 043	7.5	45.0	54.6	64.0	68.5	41.0	86	75	KN	9.5 K	7.5 SW	0	SE	0	03	5.0	
6 29 026 29 022	0.0	45.0	02.0	07.5	68.5	30.5	84	52	K3	7.5 K	7.0 SW	20	W	0	07	7.0	
7 29 054 29 076	10.0	50.0	55.5	04.0	00.0	45.0	93	57	KN	10.0 K	0.0 W	0	SE	0	02	4.5	
8 29 052 29 059	9.5	42.5	82.0	09.0	03.0	43.0	86	80	KN	8.0 K	9.0 S	0	SE	52	01	5.5	
9 29 048 29 070	6.5	47.0	60.0	04.0	53.5	40.5	79	70	KN	6.0 K	0.0 W	20	SW	0	01	5.0	
10 29 031 29 025	5.5	42.0	60.0	09.0	68.0	35.0	64	72	KN	2.0 0	0.0 NW	0	SE	20	30	3.0	
11 29 032 29 034	12.0	51.0	69.0	35.5	72.0	50.0	87	80	KN	0.0 K	0.0 W	20	N	52	17	6.0	
12 29 053 29 038	9.5	49.5	63.0	10.0	72.0	46.0	88	78	0	0.0 0	0.0 W	20	S	0	01	6.5	
13 29 092 29 055	9.0	49.0	67.0	10.0	72.0	44.0	86	52	KN	7.0 K	3.0 W	20	W	52	15	5.0	
14 29 092 29 055	11.0	51.0	64.5	08.5	71.5	49.5	80	82	KN	10.0 K	10.0 W	0	SE	0	01	4.5	
15 29 041 29 037	12.0	51.0	69.0	35.5	72.0	50.0	87	80	KN	10.0 K	10.0 W	20	N	52	17	6.0	
16 29 042 29 071	8.0	46.0	50.0	06.0	63.0	44.0	68	71	KN	6.5 K	2.0 W	0	W	26	05	6.5	
17 29 045 29 071	8.0	47.0	58.0	88.5	04.0	44.0	66	66	KN	4.0 K	10.0 NW	0	W	26	05	6.5	
18 29 050 29 054	12.0	54.0	61.0	09.0	63.5	45.5	81	82	KN	10.0 K	10.0 N	20	SE	0	02	4.5	
19 29 052 29 073	11.0	50.0	61.0	76.0	64.0	49.0	88	67	KN	10.0 N	10.0 S	0	N	52	17	6.0	
20 29 048 29 067	8.0	47.0	62.5	00.5	65.0	42.0	80	72	KN	10.0 N	10.0 NW	0	NW	0	07	7.4	
21 29 041 29 077	10.0	50.0	55.5	05.5	04.5	41.5	66	51	KN	5.5 K	9.0 S	20	N	2.60	20	7.0	
22 29 043 29 073	12.0	48.5	59.0	87.0	01.0	44.0	79	66	KN	10.0 K	7.5 SW	5.21	NW	5.21	20	7.5	
23 29 068 29 070	9.0	43.0	50.0	87.0	02.0	39.0	70	70	K	8.0 K	7.0 W	0	NW	20	21	6.0	
24 29 042 29 092	11.0	53.0	60.0	02.0	73.0	41.5	09	60	KN	10.0 K	10.0 NW	26	W	52	01	4.5	
25 29 092 29 070	8.0	47.0	53.0	02.0	70.0	42.0	79	74	KN	10.0 K	10.0 S	0	NW	20	21	3.5	
26 29 060 29 094	7.0	45.0	53.5	04.5	67.5	40.5	86	70	K	3.0 K	3.0 W	0	W	0	01	7.0	
27 29 093 29 083	5.0	42.0	54.0	86.0	65.0	37.0	84	86	KN	10.0 K	7.5 W	0	W	30	00	6.0	
28 29 040 29 063	8.0	47.0	47.0	67.0	50.0	41.5	60	79	KN	7.5 K	6.0 NW	0	W	0	06	6.5	
29 29 042 29 071	5.0	41.0	54.0	87.0	50.5	30.0	84	74	KN	10.0 K	10.0 SW	0	W	0	24	6.0	
30 29 053 29 073	10.0	51.0	53.0	71.5	55.0	42.5	74	74	K	6.0 K	7.5 SE	0	SW	2.60	02	97	6.0
Mean Pres. 29.16		M'n. Tem. 52.36		Mean Mean 58.66		Mean Mean 65.05		Mean 7.79		Mean Forw. 45 lb.		Tl. Tl. 1.82 3.05		Tl. 104			
Greatest, Do. Max. 30.31		Max. 99.00		Max. 101.00		Max. 72.0		Max. 33		Prev. Character, K and KN.		Greatest Force 5.21		M'n 5.47			
Least Do. Min. 29.349		Min. 41.00		Min. 04.00		Min. 53.0		Min. 52		Least Force. 0							

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adapted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily registers, not from the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in the per square foot.

The relative quantity of rain that fell under the different winds is registered each morning at 7 30 a.m.

The 35 years' standard tables are used for obtaining the difference from average.

FRANCIS ABBOTT, F.R.A.S., etc.

Time of leafing, flowering and fruiting of a few standard plants in the Royal Society's Gardens during the month of April, 1876.

5th.—Cook's Pineapple Red Plum commencing to ripen.

6th.—Rim Leaves commencing to fall.

12th.—Chinese Chrysanthemum commences to flower.

20th.—Mountain Ash leaves commencing to fall.

25th.—Seeds of Hornbeam ripe.

26th.—Black Mulberry leaves commence falling.

F. ABBOTT, Jun., Superintendent

Results of observations taken at New Norfolk for April, 1876, in accordance with new forms, and registered at 7 30 a.m. and 4 30 p.m.:

Barometer, mean of two daily readings, corrected and reduced, 29.51in.

Thermometer, mean of 2 ditto, 50.06deg.

Dew point, mean position of 2 ditto, 40.5deg.

Elastic force of vapour mean of 2 ditto 25.5.

Humidity of air, mean of 2 ditto, 68.

Solar intensity, mean of maximum temperature, 114.60deg.

Terrestrial radiation, mean of minimum temperature, 36.1deg.

Rainfall, 1.94in.

Evaporation, 2.20in., in excess of rainfall .26in.

Clouds, mean amount of 2 daily observations, 6.20.

Ozone, mean ditto, 2 ditto ditto, 7.00.

Wind force in lbs. per square foot of 2 ditto ditto, 39.28lbs.

Ditto, horizontal movement, 1.72 miles.

Electricity, 62 observations, 29 negative, 7 positive, 16 nil.

W. E. SHOOBIDGE, Valleyfield